11131 U.S. PTO 12/27/01 12/27/01

PTO/SB/05 (03-01)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMEDICE

Under th	e Paperwork	Reduction Act of 1995, no persons are requ	ired to resp	ond to a collection of		displays a valid OMB con	ntrol number	
UTILITY PATENT APPLICATION TRANSMITTAL			Attorney Docket No.		500.37060CX1			
			First Inventor		SUDO, SHIGEYU			
			Title	RECEIVER FOR		PECTRUM DISPERS	SION	
(Only for new nonprovisional applications under 37 CFR 1.53(b))				SIGNAL fail Label No.				
APPLICATION ELEMENTS					Assistant Cor	mmissioner for Patents	E E	
SEE MPE	P chapter 6	500 concerning utility patent application of	o <i>ntents</i> .	ADDRESS TO: Box Patent Application Washington, DC 20231				
Fee Transmittal Form (e.g., PTO/SB/17) (Short complained as deplain for the processing) Applicant claims small entity status. See 37 CFR 1.27.				7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission fit applicable, all necessary) a. Computer Readable Form (CRF)				
Descriptive title of the invention Cross Reference to Related Applications -Statement Regarding Ford sponsored R & D -Reference to sequence listing, a table, or a computer program listing appendix				i				
-Br	ief Summan	f the Invention y of the Invention		AC	COMPANYING AF	PLICATION PARTS		
-De -Ci -Al	etailed Descr laim(s) bstract of the	Disclosure		10. 37 CI		ney		
4. Drawing(e) (35 U.S.C. 113) [Total Pages: 12] 5. Oath or Declaration [Total Pages: 2] a Newly executed (original or copy) b Copy from a prior application (37 CFR 1,63 (d)) (for continuation/tel/visional with Box 18 completed) 1. DELTION. OF. INVENTOR(S) Signed statement attached deleting inventor(s) Named in the prior application, see 37 CFR 1,63(d)) and 1,33(b)				(when there is an assignee)				
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Dissipation Continuation-in-part (CIP) of prior application No.: 09/277,164								
Prior application information: Examiner. A.L.e. Group Art Unit: 2634 For CONTRIVATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an eath or declaration is supplied under 8xx 8b; is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can analy be relied upon when a portion has been inadvertently emitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS								
Customer Number of Bar Code Label 0.0045T or Correspondence address behiv								
Name ANTONELLI, TERRY, STOUT & KRAUS, LLP								
Address								
City			State		Zip			
Country		Te	elephone	(703) 312-6600	Code Fax	(703) 312-6666		
Name	Carl I. Br	undidas		Registration No. (A	ttorney/Agent)	29,621		
Signature	J	1			Date	December 27, 200	, —	

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, Dc 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, Dc 20231.

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the December 2 - 4 - 7 - 4 - 7 - 4 - 7 - 4

	ileu il	respond	10 8 00	Hection	of information unless it displays a valid OMB control number
FEE TRANSMITTAL		Complete if Known			
	i	Application Number			Not yet assigned
for FY 2002		Filing	Date		December 27, 2001
		First N	lamed	Invent	or SUDO, SHIGEYUKI
Patent fees are subject to annual revision.		Exami	ner Na	me	L. Le
		Group	Art Ur	nit	2634
TOTAL AMOUNT OF PAYMENT (\$) 740		Attorn	ey Doc	ket No	. 500.37060CX1
METHOD OF PAYMENT				FE	E CALCULATION (continued)
The Commissioner is hereby authorized to charge indicated fees and credit overpayments to: Deposit Account Number 01-2135 Deposit Account Name Antonelli, Terry, Stout & Kraus, LLP	Foe		y Fee	FEES Smal Entit Fee	il y
☐ Charge Any Additional Fee Required	Cod	ie (\$)	Code	(\$)	Fee Description Fee Paid
Under 37 CFR 1.1 6 and 1.17 Applicant Claims small entity status.	105		205	65	Surcharge - late filing fee or oath
See 37 CFR 1.27	127	50	227	25	Surcharge – late provisional filing fee or cover sheet
2. Payment Enclosed:	139	130	139	130	Non-English specification
☐ Check ☑ Credit Card ☐ Money Order ☐ Other	147	2,520	147	2,520	For filing a request for ex parte reexamination
FEE CALCULATION	112	920*	112	920*	
2. BASIC FILING FEE Large Entity Small Entity	113	1,840	113	1,840	Examination action Prequesting publication of SIR after
Fee Foo Fee Fee Fee Description					Examiner action
Code (\$) Code (\$) 101 740 201 370 Utility filing fee 740	115 116		215 216	55 200	Extension for reply within first month
106 330 206 165 Design filing fee	117	920	216	460	Extension for reply within second month
107 510 207 255 Plant filing fee	118			720	Extension for reply within third month
108 740 208 370 Reissue filing fee	128			980	Extension for reply within fourth month
114 160 214 80 Provisional filing fee	119		219	160	Extension for reply within fifth month Notice of Appeal
*	120		220	160	Filing a brief in support of an appeal
SUBTOTAL (1) 740	121	280	221	140	Request for oral hearing
1. EXTRA CLAIM FEES	138		138		Petition to institute a public use proceeding
Fee from Extra Claims below Fee Paid	140	110	240	55	Petition to revive – unavoidable
Total Claims 1-20** = x18 =	141	1,280	241	640	Petition to revive – unintentional
	142	1,280	242	640	Utility Issue fee (or reissue)
Indep. Claims 1-3** = x 84 =	143	460	243	230	Design Issue fee
Multiple Dependent =	144	620	244	310	Plant issue fee
	122	130	122	130	Petitions to the Commissioner
Large Entity Small Entity Fee Fee Fee Fee Fee Description	123	50	123	50	Processing fee under 37 CFR 1 17(q)
Code (\$) Code (\$)	126	180	126	180	Submission of Information Disclosure Stmt
103 18 203 9 Claims in excess of 20	581	40	581	40	Recording each patent assignment per property (times number of properties)
102 84 202 42 Independent claims in excess of 3 104 280 204 140 Multiple dependent claim, if not paid	146	740	246	370	For each additional invention to be examined (37 CFR § 1.129(a))
109 84 209 42 ** Reissue Independent claims	149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))
over original patent	179	740	279	370	Request for Continued Examination (RCE)
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	169	900	169	900	Request for expedited examination of a design application
SUBTOTAL (2) \$	Othe	r fee (spe	cify)		
**or number previously peid, if greater; For Reissues, see above.	-Ked	luced by	Basic Fil	ing Fee	Paid SUBTOTAL (3) (\$)

SORWITTED BY		Complete (if applicable)					
Name (Print/Type)	Carl I. Brundidge	Registration No. (Attorney/Agent) 29,621	Telephone	703) 312-6600			
Signature	4		Date	12/27/2001			

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Stetement: This estimated to be 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the announce of the region of the provided this complete. Time will vary depending upon the needs of the individual case. Any comments on the announce of time you to make the propriet this time that the sent to the Colfet International Officer, U.S. Patent and Trademark Office, weshington, DC 20231. DO NOT SEND FEES of CoMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Weshington, DC 20231.